



Savannah River National Laboratory (SRNL) WASTE CERTIFICATION TRAINING PLAN

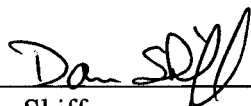
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 7/14/04

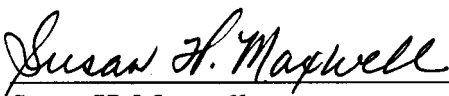
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1.0 INTRODUCTION

The day to day operation of the Savannah River National Laboratory (SRNL) facility at the Savannah River Site results in the production of green-is-clean waste, low level radioactive waste, mixed waste, and transuranic waste (GIC, LLW, MW, TRU). In order to ship the wastes to Solid Waste (SW), the SRNL facility must be certified waste generators. This required SRNL to establish a Waste Certification Program defining SRNL compliance with the requirements set forth in the WSRC 1S Manual. The Waste Certification Program is a process for identifying, controlling, segregating, characterizing, and handling GIC/LLW/MW/TRU waste to ensure that waste shipped to the SW treatment, storage, and disposal (TSD) facilities meets the requirements of the SRS Waste Acceptance Criteria (WAC) 1S Manual.

The approval needed to ship waste was issued by SW upon completion of a formal assessment of the facility's program.

2.0 BACKGROUND

Waste Certification has been implemented through the formalization of the SRNL Waste Certification Plan, TSD-AEC-96-1114. Two elements of the plan required developing procedures and conducting training to selected personnel. For the purposes of this training plan SRNL facilities include 773-A, 773-A Shielded Cells, 735-A, 736-A, 776-A, and 779-A. The term "certification" used in this training plan refers to certification of waste and not the certification of personnel.

3.0 TRAINING REQUIREMENTS

3.1 Purpose and Scope

The principal purpose of all SRNL waste training is to ensure that personnel are sufficiently trained to support the shipping of waste to SW TSD facilities in accordance with the criteria set forth in the 1S Manual.

This training plan addresses the required training of personnel working in the SRNL facility (WSRC, BSRI, and subcontract personnel) who generate GIC/LLW/MW/TRU waste (other than protective clothing).

4.0 WASTE CERTIFICATION TRAINING

Initial training is achieved through the following: site classroom courses, facility specific web-based courses, read and sign programs, practical factors and job performance measures (as applicable). Entry level requirements associated with the job function and all required initial training have to be met in order to perform any waste handling activity. Visitors and new employees will not be allowed to work unsupervised until they have completed the applicable training. This typically is completed within six months of assignment.

Continuing training maintains personnel proficiency and provides for knowledge upgrade. Continuing training may include significant facility changes that affect waste stream generation and/or waste characterization, applicable procedure changes, correction of recognized performance problems, and application of lessons learned via a Required Reading program, as necessary.

Appendices A and B reflect training requirement matrices.

Annual/biennial/triennial is defined as one/two/three years from the end of the month in which training was received. This applies to all training that is not regulatory driven (i.e., Waste Generator, TRU Waste).

Job functions in SRNL that are involved in handling, processing, and shipping of waste are as follows:

4.1 LLW Waste Generators

LLW Waste Generators (WG) are responsible for segregating waste into proper waste streams, ensuring no prohibited items are in a waste cut, and properly bagging and tagging waste cuts. Entry level requirements typically include minimum WSRC health requirements by passing a physical examination and adhering to the Fitness for Duty policies and procedures, High School diploma or equivalent, and minimum facility security clearance.

4.2 LLW Approved Waste Generators

Personnel who need to add waste to a final LLW package (i.e., B-25) are identified as Approved Waste Generators (AWG). Approved Waste Generators are responsible for peer verification of waste cuts before the waste cuts are placed into a final waste package, and ensuring complete documentation of the final waste package. Entry level requirements typically include minimum WSRC health requirements by passing a physical examination and adhering to the Fitness for Duty policies and procedures, High School diploma or equivalent, and minimum facility security clearance.

4.3 Section TRU Waste Coordinators

Section TRU Waste Coordinators (TWC) are responsible for confirming that TRU waste is properly packaged and labeled and approving the TRU Waste Identification Form (Manual L1, Procedure 6.24). In addition, the TWC is responsible for resolving waste package deficiencies (e.g., improper drum preparation, labeling or incomplete documentation), and ensuring that personnel in their section who generate, handle, or process TRU waste are properly trained. The section TWC serves as the point of contact to the Waste Management Group for TRU waste issues in their section. Entry level requirements typically include minimum WSRC health requirements by passing a physical examination and adhering to the Fitness for Duty policies and procedures, High School diploma or equivalent, and minimum facility security clearance.

4.4 TRU Waste Generators

TRU Waste Generators (WG) are responsible for segregating TRU waste, ensuring no prohibited items are in a waste cut, and properly bagging and documenting waste cuts. Entry level requirements typically include minimum WSRC health requirements by passing a physical examination and adhering to the Fitness for Duty policies and procedures, High School diploma or equivalent, and minimum facility security clearance.

4.5 Waste Verifiers and Regulated Waste Clerk

Waste Verifiers (WV) and the Regulated Waste Clerk (RWC) are responsible for ensuring that waste accepted by the Waste Management Group meets the requirements for the applicable procedures, preparing the waste for shipment to the appropriate TSD, and assisting with waste shipments. Entry level requirements typically include minimum WSRC health requirements by passing a physical examination and adhering to the Fitness for Duty policies and procedures, High School diploma or equivalent, and minimum facility security clearance.

4.6 Cognizant Technical Functions

Cognizant Technical Functions (CTF) are responsible for providing characterization and program support for the LLW, MW, and TRU waste programs. Entry level requirements typically include minimum WSRC health requirements by passing a physical examination and adhering to the Fitness for Duty policies and procedures, four year Engineering/Science degree, and minimum facility security clearance.

4.7 Generator Certification Official

The Generator Certification Officials (GCO) are responsible for the daily execution of the GIC, LLW, MW, and TRU waste programs and are responsible for ensuring all waste shipped meets the requirements of the 1S Manual. The GCO job function requires qualification. Therefore, the entry level requirements and site training and qualification requirements are addressed in the Savannah River Site Generator Certification Official Training and Qualification Program Description, SGCOTQPD. Completion of Site/Core training is reflected on the Savannah River Site Generator Certification Official Qualification Card, SGCO0000. Applicable facility specific training requirements are reflected in Appendices A and B of this Training Plan.

Appendices A and B show the relationship between all job functions discussed in this Training Plan and waste certification training requirements.

5.0 APPENDIX A – SRNL TRAINING REQUIREMENTS FOR GREEN-IS-CLEAN, LOW LEVEL WASTE, MIXED WASTE

Course	GCO	WV	RWC	CTF	WG	AWG	Frequency
Radiological Worker II Initial (QHRG0300)	X	X	X		As needed	As needed	Initial
Radiological Worker II Retraining (QHRG0400)	X	X	X		As needed	As needed	Biennial
SRTC Waste Generator Training (SE010402)*	X	X	X		X	X	Initial
SRTC Waste Packaging by Approved Waste Generators (SG152903)*	X	X	X			X	Initial
SRTC Nuclear Criticality Safety (SG152952)	X	X	X		As needed	As needed	Biennial
SRTC Accountable Material Handler (SG152951)	X	X	X		As needed	As needed	Biennial
HAZMAT General (TMAMHAZ1)	X	X	X				Triennial
RCRA Training for SRTC Technical Area, Analytical Labs (SE010419) ²	X	X	X				Annual
SRTC LLW Waste Certification Procedures (SE010301)**	X	X	X	X			Initial
SRTC Waste Certification Program (SE010302)**	X			X			Initial
Site Generator Certification Officials Training (TTFGGCO3) ¹	X						Initial
Waste Information Tracking System (WITS) (TGCGT029) ²	X						Initial
Radiological Determinations (RMMA) (ZOACTA01) ²	X						Initial
NDA-2000 Waste Assay Training (STVE0006)		As needed	X				As required
Perform SRTC Canberra Q ² Waste Assay (SE010413)		As needed	X				Initial
Perform Liquid Nitrogen Dispensing for SRTC Q ² (SE010415)		As needed	X				Initial
SU-443-5 Genie-PC Waste Assay Software Operation (SE010800)		As needed	X				As required
Perform Dose to Curie (SE010420)		X					Initial
Record Data – Complete Container Contents Sheet (SE010421)		X					Initial
Perform Assay Data Transfer/Verification (SE010422)		X					Initial
Transfer/Verify Waste (SE010423)		X					Initial
Prepare B-25 for Shipment (SE010424)		X					Initial

*NOTE: Current SRTC Waste Generator training (SE010402) is required to maintain current SRTC Waste Packaging by Approved Waste Generator training (SG152903)

**Read and Sign

¹ Course listed in II.A. of Site GCO Qualification Card SGCO0000.QC

² Courses listed in II.B. of Site GCO Qualification Card SGCO0000.QC

6.0 APPENDIX B – SRNL TRAINING REQUIREMENTS FOR TRU WASTE

Course	GCO	WV	RWC	CTF	TWC	WG	Frequency
Radiological Worker II Initial (QHRG0300)	X	X	X			As Needed	Initial
Radiological Worker II Retraining (QHRG0400)	X	X	X			As Needed	Biennial
SRTC Technical Area TRU Waste Handler (SE010401)	X				X	X	Initial
SRTC Nuclear Criticality Safety (SG152952)	X	X	X			As Needed	Biennial
SRTC Accountable Material Handler (SG152951)	X	X	X			As Needed	Biennial
HAZMAT General (TMAMHAZ1)	X	X	X				Triennial
RCRA Training for SRTC Technical Area, Analytical Labs (SE010419) ²	X	X	X				Annual
Site Generator Certification Officials Training (TTFGGCO3) ¹	X						Initial
Waste Information Tracking System (WITS)(TGCGT029) ²	X						Initial
Radiological Determinations (RMMA) (ZOACTA01) ²	X						Initial
SRTC TRU Waste Certification Procedures (SE010303)*	X	X	X	X			Initial
SRTC Waste Certification Program (SE010302)*	X			X			Initial
NDA-2000 Waste Assay Training (STVE0006)		As Needed	X				As required
Perform SRTC Canberra Q ² Waste Assay (SE010413)		As Needed	X				Initial
Perform Liquid Nitrogen Dispensing for SRTC Q ² (SE010415)		As Needed	X				Initial
SU-443-5 Genie-PC Waste Assay Software Operation (SE010800)		As Needed	X				As required
Prepare TRU Waste Containers for Shipment (SE010425)		X					Initial

*Read and Sign

¹ Course listed in II.A. of Site GCO Qualification Card SGCO0000.QC² Courses listed in II.B. of Site GCO Qualification Card SGCO0000.QC